

Precipitation Gauge Service By Opening the Gauge

1. Open the door to the Control Box (Key may be needed). An open door is recorded in the data to indicate a site visit.



2. Slowly release latches on the Precipitation Gauge Cover and pin in the up position. (Caution: the latches flip with a spring action and will hurt if they hit your fingers.)



3. Add a spacer to hold the cover up about two inches, allowing enough space to unplug the internal wire connector inside.



4. Locate the heater cabling and unplug. The location of the heater plug is in line with the sealed hole used to pass the heater wires from the outside heater to the inside of the housing.



5. Remove the cover noting the general position for replacement. If there are any abnormalities visible, if possible take a digital picture.

6. Carefully lift the bucket up and out. The strain gauges are very sensitive to shock so extreme care should be used.



7. Empty the contents into a separate container. The contents should be properly disposed of according to local regulations. This antifreeze mixture is propylene glycol and water; it does not contain any lead. Most regulations pertaining to antifreeze assume the antifreeze is from an internal combustion engine and has been contaminated by lead from the radiator system.
8. Replace the bucket by aligning the black dot on the rim of the bucket to the dot on the one of the sensor mounts.



9. Slowly add one gallon of anti-freeze and one pint of water to the bucket.
10. Reconnect the heater plug. Replace the cover. Be sure when replacing the cover that the wires **do not** touch the suspended bucket and associated mounts. It may be necessary to slightly rotate the cover as it closes to lay the wires in place below the bucket. **Secure the latches.**



11. Close the Control Box door and lock.

